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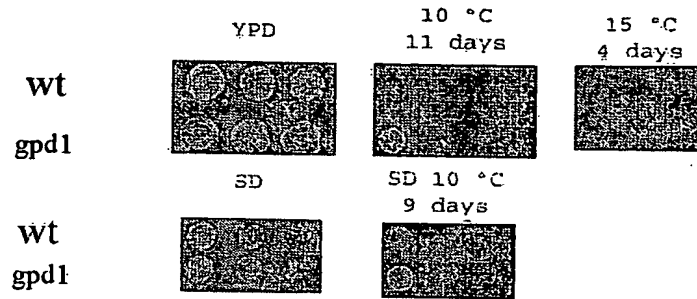


FIGURE 1

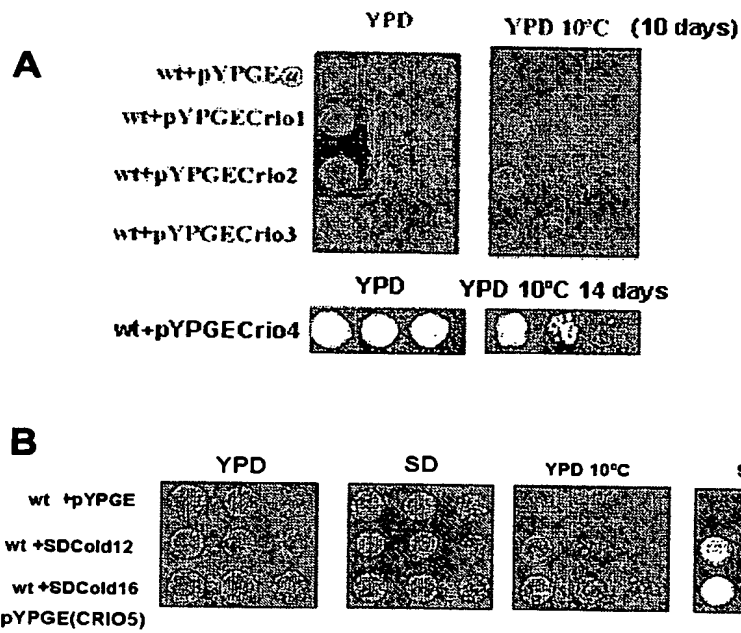


FIGURE 2

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1                                     50
AtCRYO1 ~MMNRLFG.K PKQ.EA..NA LQTLDKLNET LEMLEKKEKV LLKKAGAEVE
AtCRYO2 MFMNRLFG.K PKQ.ET..ST LQTLDKLNET LEMLEKKENV LLKKATGEVE
BvCRYO2 ~MFTRVFG.K PKEGTT..SA VATLDKLSET LEMLEKKEQV LLKKAGAEVE
BvCRYO1 ~MFSRLFGAK SRDAATTETT LSTLEKLNET LEMLEKKEQL LMKKATAEVE
scdid1 ~MWSSLFGWT SSNAKNKESP TKAIVRLREH INLLSKKQSH LRTQITNQEN

51                                     100
AtCRYO1 KAKEYSRAKN KRAAIQCLKR KRLYEGQVEQ LGNFQLRIHD QMIMLEGAKA
AtCRYO2 KAKEFSRAKN KRAAIQCLKR KRLYEQQVEQ LGNFQLRIHD QMIMLEGAKA
BvCRYO2 KAKEFTRAKN KRAAITCLKR KRLYEQQIEQ LGNMQLRIHD QMILLEGAKA
BvCRYO1 KAKEFTRAKN KRAAIQCLKR KRLYEQQVEQ VGNFQLRIHD QIIMLDSAKA
Scdid1 EARIFLTKGN KVMAKNALKK KKTIEQLLSK VEGTMESMEQ QLFSIESANL

101                                    150
AtCRYO1 TTETVDALRS GASAMKAMQK A.TNIDDVDK TMDEINEQTE NMKQIQEALA
AtCRYO2 TTETVDALRT GASAMKAMQK A.TNIDDVDK TMDEINEQTE NMKQIQEALS
BvCRYO2 TTETVDALRS GASAMKAMQK A.TNIDNVDK TMDEIENQTE NLKQIQEALSAPIGAAD
BvCRYO1 TTETVAALRS GASAMKAMQK A.TNIDDVDK TMDEINEQTD NLRQIRRH
Scdid1 NLETMRAMQE GAKAMKTIH. SGLDIDKVDE TMDEIREQVE LGDEISDAIS

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FIGURE 3

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1
AtCRYO3.2--MGNTDKLM NQIFELKFTS KSLQRQARKC EKEERSEKLE VKKAIEKGNM 50
AtCRYO3.1--MGNTDKLM NQIFELKFTS KSLQRQARKC EKEERSEKLE VKKAIEKGNM
AtCRYO3 --MGNTDKLM NQIFDLKFTS KSLQRQSRKC EKEEKAEKLE VKKAIEKGNM
BvCRYO3 --MGNTEKLM NQIMELKFTS KSLQRQSRKC EKEEKAEKLE VKKAIEKGNM
DeCRYO3 ~~~~~~ME NQLFQLKFTS KQLEKQSKKS EQSEKAQKIK LKKAIEQGNM
MmCRYO3 ~~~~~~MD DTLFQLKFTA KQLEKLAKKA EKDSKAEQAK VKKALQQKNV
HsCRYO3 ~~~~~~MD DTLFQLKFTA KQLEKLAKKA EKDSKAEQAK VKKALQQKNV
ScCRYO3 MSRNSAAGLE NTLFQLKFTS KQLQKQANKA SKEEKQETNK LKRAL.NENE
SpCRYO3 ~~~~~~ ~~~~~~ ~~~~~~MSL SMNFFTAHLS IAIATKGNs

51
AtCRYO3.2DGARIYAENA IRKRSEQMNY LRLSSRLDAV VARLDTQAKM ATITKSMTNI 100
AtCRYO3.1DGARIYAENA IRKRSEQMNY LRLSSRLDAV VARLDTQAKM ATITKSMTNI
AtCRYO3 DGARIYAENA IRKRSEQMNY LRLASRLDAV VARLDTQAKM TTITKSMTNI
BvCRYO3 DGARIYAENA IRKRTEQMNY LRLASRLDAV VSRLDTQAKM QTIGKSMGSI
DeCRYO3 DGARIYAQNA IREKNQSLNY LRLASRIDAV ASRVETAIRM KSVTGSMAINI
MmCRYO3 ECARVYAENA IRKKNEGVNW LRMASRVDAV ASKVQTAVTM KGVTKNMAQV
HsCRYO3 ECARVYAENA IRKKNEGVNW LRMASRVDAV ASKVQTAVTM KGVTKNMAQV
ScCRYO3 DISRIYASNA IRKKNERLQL LKLASRVDSV ASRVQTAVTM RQVSASMGQV
SpCRYO3 EIARIYASNA IRKQESLNL LKLSSRIDAV SSRLQTAVTM RAVSGNMAGV

101
AtCRYO3.1VKSLESSLTT GNLQKMSETM DSFEKQFVNM EVQAEFMDNA MAGSTSLSTP 150
AtCRYO3.1VKSLESSLTT GNLQKMSETM DSFEKQFVNM EVQAEFMDNA MAGSTSLSTP
AtCRYO3 VKSLESSLAT GNLQKMSETM DSFEKQFVNM EVQAEFMENA MAGSTSLSTP
BvCRYO3 VKSLESSLNT GNLQKMSETM DNFEKQFVNM EVQAEFMESS MAGSTSLSTP
DeDID2 VKSMEKSMRN MDLEKITQVM DQFERQFEDL DVQSVYVENA MNQTTTLSTP
MmDID2 TKALDKALSA MDLQKVSVM DRFEQQVQNL DVHTSVMEDS VSSATTLTTP
HsDID2 TKALDKALST MDLQKVSSVM DRFEQQVQNL DVHTSVMEDS MSSATTLTTP
ScDID2 CKGMDKALQN MNLQQITMIM DKFEQQFEDL DTSVNVYEDM GVNSDAMLVD
SpDID2 VRGMDRAMKT MNLEMISQVM DKFEAQFDDV NVQTGYMNKA MGSVTAVDTP

151
AtCRYO3.2EGEVNSLMQQ VADDYGLEV. .SVGLPQ.PA GHAIPTKTEE KVEEDDLTRR 200
AtCRYO3.1EGEVNSLMQQ VADDYGLEV. .SVGLPQ.PA GHAIPTKTEE KVEEDDLTRR
AtCRYO3 EGEVNSLMQQ VADDYGLEV. .SVGLPQ.PA GHAIPTKTEE KVEEDDLTRR
BvCRYO3 ETEVNSLMQQ VADDYGLEG. .SVGLPQ.AA GHAIPTV...P KAAEKVDEG*
DeDID2 ADQVDLLISQ VADEHGL... .NVGMQM... GSA.PSEKQV QGETDELTERR
MmDID2 QEQVDSLIVQ IAEENGLEVL D..QLSQLPE GASAVGESSV RSQEDQLSRR
HsDID2 QEQVDSLIMQ IAEENGLEVL D..QLSQLPE GASAVGESSV RSQEDQLSRR
ScDID2 NDKVDELMSK VADENGMELK QSAKLDNVPE .IKAKEVNVD DEKEDKLAQR
SpDID2 QEDVDLLMQT VADEAGLEFN QNMNNNLSVP AASVPTPAAP .VEDDNLQER

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FIGURE 4

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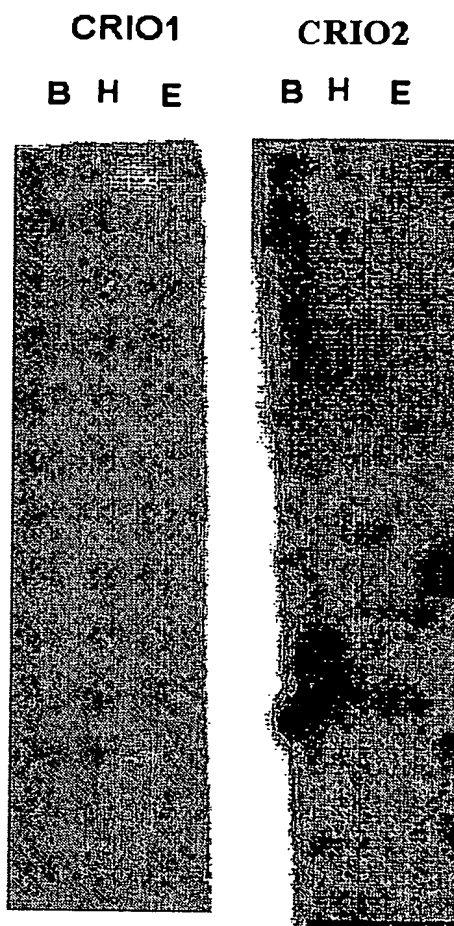


FIGURE 5

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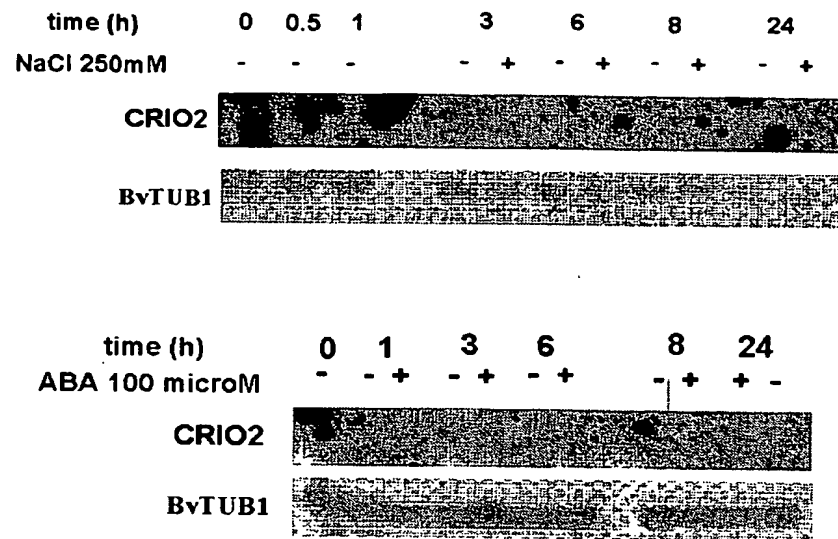


FIGURE 6

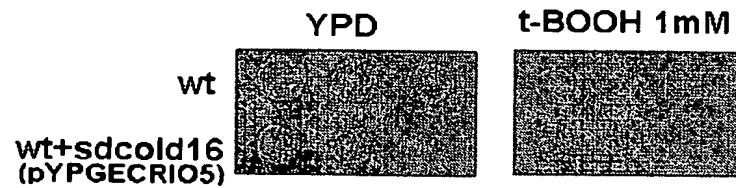


FIGURE 7